

15

Fig. 1A (Part 2)

Gene	Protein	Position	Sequence
HSV2 gD Gene	HSV2 gD Protein	76	AAATACGCCTTAGCAGACCCCTCGCTTAAGATGGCCGATCCCAATCGATTTTCGCGGGAAGAACCTTCCGGTTTGG
HSV1 gD Gene	HSV1 gD Protein	26	AAATATGCTTGGCGGATGCTCTCTCAAGATGGCCGACCCCAATCGCTTTTCGCGGCAAGACCTTCCGGTCCCTG
HSV2 gD Gene	HSV2 gD Protein	26	LysTyrAlaLeuAlaAspProSerLeuLysMetAlaAspProAsnArgPheArgGlyLysAsnLeuProValLeu
HSV1 gD Gene	HSV1 gD Protein	26	LysTyrAlaLeuAlaAspAlaSerLeuLysMetAlaAspProAsnArgPheArgGlyLysAspLeuProValLeu
HSV2 gD Gene	HSV2 gD Protein	151	GACCAGCTGACCGACCCCGGGGTGAAGCGTGTATACACATTCAGCCGAGCCTGGAGGACCCGTTCCAGCCCC
HSV1 gD Gene	HSV1 gD Protein	151	GACCAGCTGACCGACCCCTCCGGGGGTCCGGCGGTGTACACATCCAGGCGGGCTACCGAACCCGTTCCAGCCCC
HSV2 gD Gene	HSV2 gD Protein	51	AspGlnLeuThrAspProProGlyValLysArgValTyrHisIleGlnProSerLeuGluAspProPheGlnPro
HSV1 gD Gene	HSV1 gD Protein	51	AspGlnLeuThrAspProProGlyValArgArgValTyrHisIleGlnAlaGlyLeuProAsnProPheGlnPro
HSV2 gD Gene	HSV2 gD Protein	226	CCCAGCATCCCGATCACTGTGTACTACGCAGTGTGGAAACGTGCCTGCCGACGCGTGTCTCTACATGCCCCATCG
HSV1 gD Gene	HSV1 gD Protein	226	CCCAGCTCCCGATCAGGTTTACCGCGGTGTG---GAGCGCGCTGCCGACGCGTGTCTCTAAACGCACCCGTCG
HSV2 gD Gene	HSV2 gD Protein	76	ProSerIleProIleThrValTyrTyrAlaValLeuGluArgAlaCysArgSerValLeuLeuHisAlaProSer
HSV1 gD Gene	HSV1 gD Protein	76	ProSerLeuProIleThrValTyrAlaValLeu---GluArgAlaCysArgSerValLeuLeuAsnAlaProSer
HSV2 gD Gene	HSV2 gD Protein	301	GAGGCCCCCAGATCGTGGCGGGGGCTTCGGACGAGGGCCCGAAAGCACACGTACAACTGACCATCGCTGGTAT
HSV1 gD Gene	HSV1 gD Protein	301	GAGGCCCCCAGATTGTCCGGGGGGCTCCGAAGACGTCCGGAACCAACCTTACAACTGACCATCGCTTGGTTT
HSV2 gD Gene	HSV2 gD Protein	101	GluAlaProGlnIleValArgGlyAlaSerAspGluAlaArgLysHisThrTyrAsnLeuTyrIleAlaTrpTyr
HSV1 gD Gene	HSV1 gD Protein	101	GluAlaProGlnIleValArgGlyAlaSerGluAspValArgLysGlnProTyrAsnLeuTyrIleAlaTrpPhe
HSV2 gD Gene	HSV2 gD Protein	376	CGCATGGGAGACAAATTGCGCTATCCCCATCACGGTTATGGAATACACCGAGTGCCCCCTACAACAAGTCGTTGGGG
HSV1 gD Gene	HSV1 gD Protein	376	CGGATGGGAGGCAACTIGCTATCCCCATCACGGTTCATGGAGTACACCGAATGCTCTCTACAACAAGTCTCTGGGG
HSV2 gD Gene	HSV2 gD Protein	126	ArgMetGlyAspAsnCysAlaIleProIleThrValMetGluTyrThrGluCysProTyrAsnLysSerLeuGly
HSV1 gD Gene	HSV1 gD Protein	126	ArgMetGlyGlyAsnCysAlaIleProIleThrValMetGluTyrThrGluCysSerTyrAsnLysSerLeuGly

Fig. 1A (Part 3)

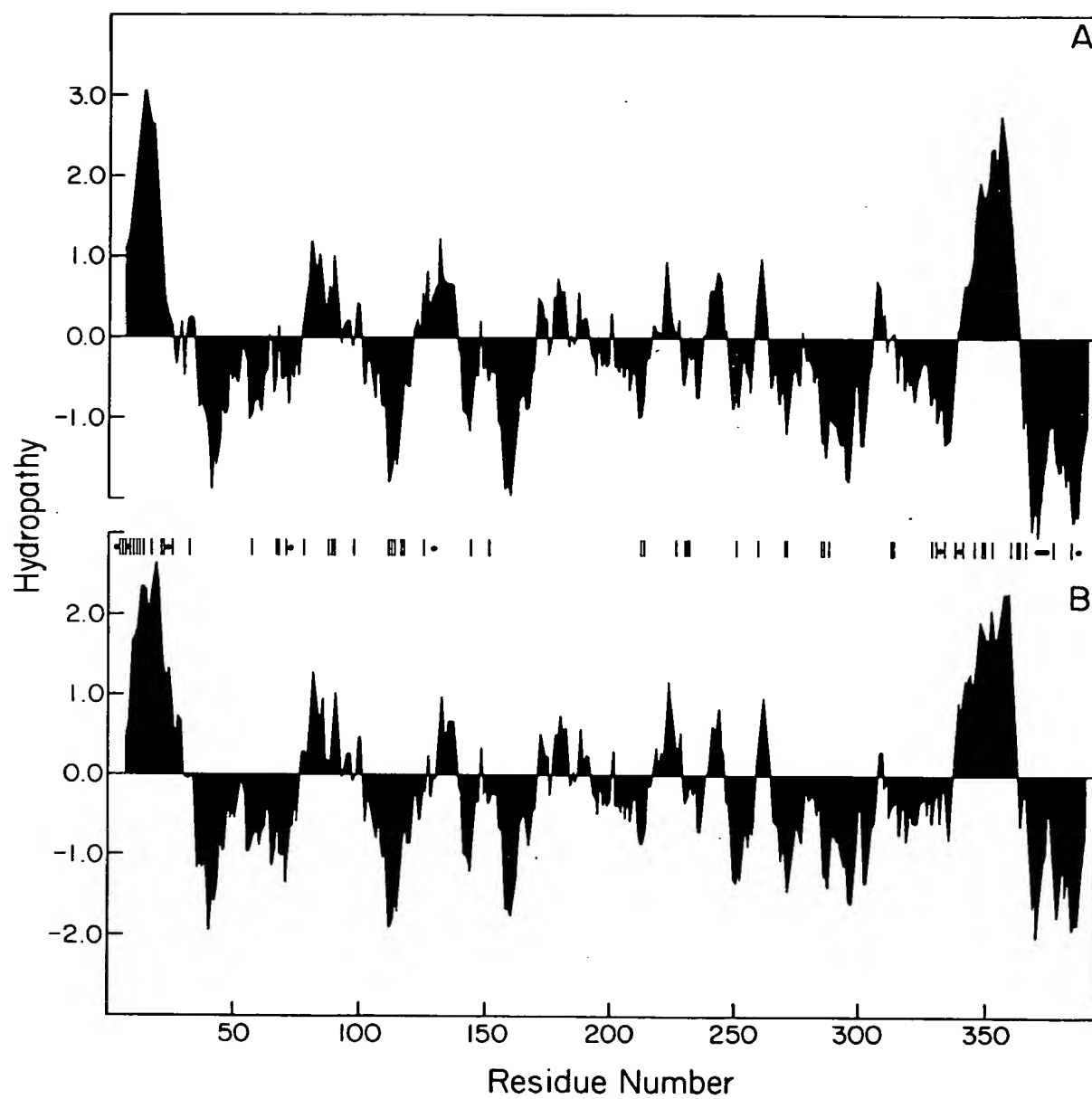
Gene	Position	Sequence
HSV2 gD Gene	451	GICTGCCCCATCCGAACGCAGCCCCCGCTGGAGCTACTATGACAGCTTTAGCGCCGTCAGCGAGGATAACCTGGGA
HSV1 gD Gene		GCCTGTCCCATCCGAACGCAGCCCCCGCTGGAACCTACTATGACAGCTTCAGCGCCGTCAGCGAGGATAACCTGGGG
HSV2 gD Protein	151	ValCysProIleArgThrGlnProArgTrpSerTyrTyrAspSerPheSerAlaValSerGluAspAsnLeuGly
HSV1 gD Protein		AlaCysProIleArgThrGlnProArgTrpAsnTyrTyrAspSerPheSerAlaValSerGluAspAsnLeuGly
HSV2 gD Gene	526	TTCTGTATGTCACGCCCCCGCTTCGAGACCGCGGGTACGTACCTTGC GGCTAGTGAAGATAAACGACTGGACGGAG
HSV1 gD Gene		TTCTGTATGTCACGCCCCCGCTTGGAGACCGCGGCACGTACCTTGC GGCTCGTGAAGATAAACGACTGGACGGAG
HSV2 gD Protein	176	PheLeuMetHisAlaProAlaPheGluThrAlaGlyThrTyrLeuArgLeuValIysIleAsnAspTrpThrGlu
HSV1 gD Protein		PheLeuMetHisAlaProAlaPheGluThrAlaGlyThrTyrLeuArgLeuValIysIleAsnAspTrpThrGlu
HSV2 gD Gene	601	ATCACACAATTTATCTCGAGACACCGGGCCCGCGCTCCTGTCAAGTACGCTCTCCCGCTGCGCATCCCCCGGCA
HSV1 gD Gene		ATTACACAGTTTATCTCGAGACACCGAGCCAGGGCTCCTGTAAGTACACCTCCCGCTGCGCATCCCCCGTCA
HSV2 gD Protein	201	IleThrGlnPheIleLeuGluHisArgAlaArgAlaSerCysLysTyrAlaLeuProLeuArgIleProProAla
HSV1 gD Protein		IleThrGlnPheIleLeuGluHisArgAlaAlaLysGlySerCysLysTyrAlaLeuProLeuArgIleProProSer
HSV2 gD Gene	676	GCGTGCCTCACCTCGAAGGCCTACCAACAGGGCGGTGACGGTCGACAGCATCGGGATGTTACCCCGCTTTACTCCC
HSV1 gD Gene		GCCTGCCTCTCCCCCAGGCCTACCAGCAGGGGGTGACGGTGGACAGCATCGGGATGCTGCCCCGCTTCATCCCC
HSV2 gD Protein	226	AlaCysLeuThrSerLysAlaTyrGlnGlnGlyValThrValAspSerIleGlyMetLeuProArgPheThrPro
HSV1 gD Protein		AlaCysLeuSerProGlnAlaTyrGlnGlnGlyValThrValAspSerIleGlyMetLeuProArgPheIlePro
HSV2 gD Gene	751	GAAACACGCGCACCGTCGCCCTATACAGCTTAAAAATCGCCGGGTGGCACGGCCCCCAAGCCCCCGTACACACAGC
HSV1 gD Gene		GAGAACACGCGCACCGTCGCCGTATACAGCTTGAAGATCGCCGGGTGGCACGGCCCCAGGGCCCCATACACAGC
HSV2 gD Protein	251	GluAsnGlnArgThrValAlaLeuTyrSerLeuLysIleAlaGlyTrpHisGlyProLysProProTyrThrSer
HSV1 gD Protein		GluAsnGlnArgThrValAlaValTyrSerLeuLysIleAlaGlyTrpHisGlyProArgAlaProTyrThrSer

4

[illegible]

Fig. 1B(Part 2)

HSV2 gD Gene	1126	*	CGTCTCCCCACATCCGGGATGACGACGCGCCCTCGCACCAGCCATTGTTTTACTAGAGGAGTTTCCCCGCT	**** *	***
HSV1 gD Gene			CGCTCCCCCACATCCGGGAAAGACGACGAGCCGTCCTCGCACCAGCCCTTGTCTTACTAGA-----TACCCC---		
HSV2 gD Protein	376		ArgLeuProHisIleArgAspAspAlaTalaProProSerHisGlnProLeuPheTyrSTOP		
HSV1 gD Protein			ArgLeuProHisIleArgGluAspAspGlnProSerSerHisGlnProLeuPheTyrSTOP		
HSV2 gD Gene		*	***** * **** ** *** * * **** * * **** * *	"TATA3"	
HSV1 gD Gene			CCCGGTACCTCTGAGGCC--GIGTGA--GGGTGGCTGGGGTATTTAGGGTGGGACTTGGACTCCGCATAAAGG		
			CCCTTAATGGG-TGCGGGGGGTCAGGTCGCGGGGTG-----GGATGGGACCTTAACCTCCATATAAAGG		
HSV2 gD Gene		*	AGTCTCGAAGGGGAAACTAGGACAGTTCATAGGCCGGGAGCGTGGGGCGCGCGCGGCTGCCGACGATTAG	*****	
HSV1 gD Gene			AGTCTGGAAGGGGAAAGCGGACAGTCGATAAGTCGGTAGCGGGGGACGCGCACC---TGTTCC-----G		
HSV2 gD Gene		*	CCAGCCGCGCCACAGCCACCTC--GACCCGGTCCGATCCGCGGTATGCCCGGCGCTCGCTGCAGGGCCTGGCG		
HSV1 gD Gene			CCTGTGCGCACCACAGCTTTTTCGGAACCG-TCCCGTTT		
HSV2 Open Reading Frame			MetProGlyArgSerLeuGlnGlyLeuAla		
HSV2 gD Gene			ATCCTGGGCCTGTGGGTCTGCGCCACCGGCCTGGTCCGT		
HSV2 Open Reading Frame			IleLeuGlyLeuTrpValCysAlaThrGlyLeuValArg		



*Fig. 2.*

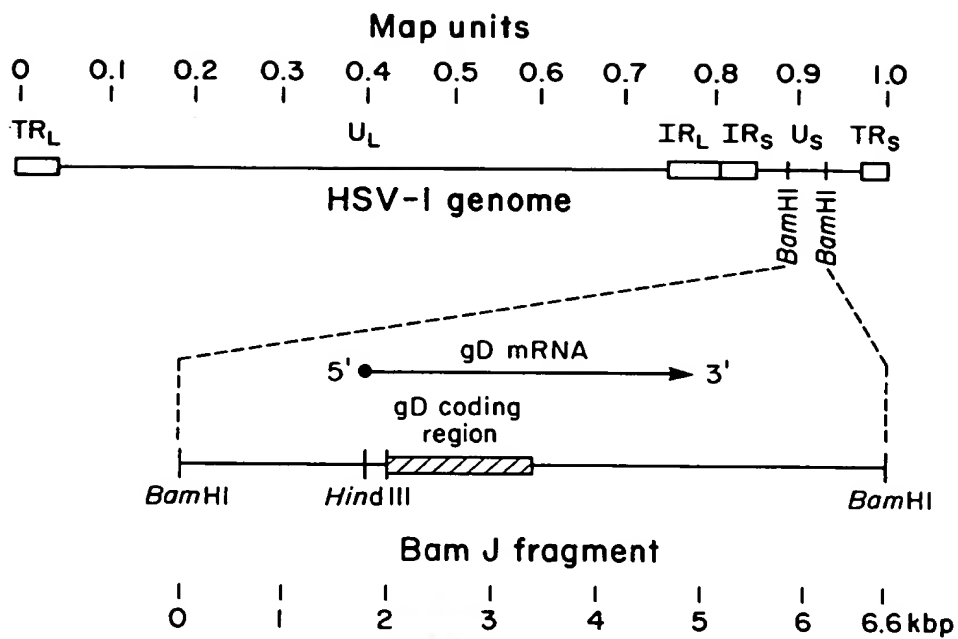
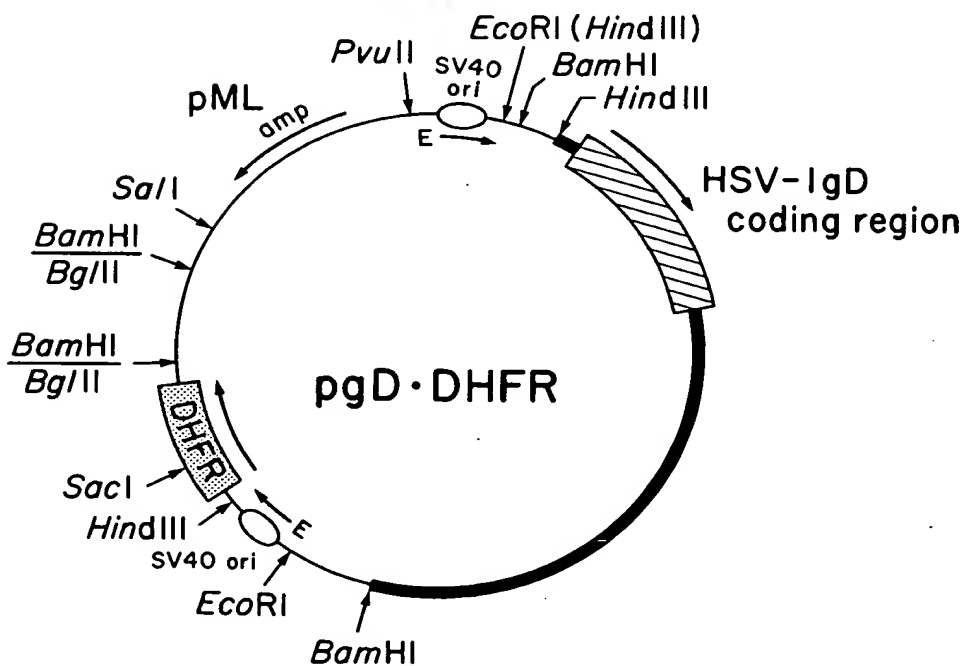


Fig. 3.

1. Digest with *Hind*III and *Bam*HI
2. Isolate 4.6kb gD encoding fragment
3. Ligate into *Hind*III-*Bam*HI cleaved DHFR vector



*Fig. 4.*

A



B

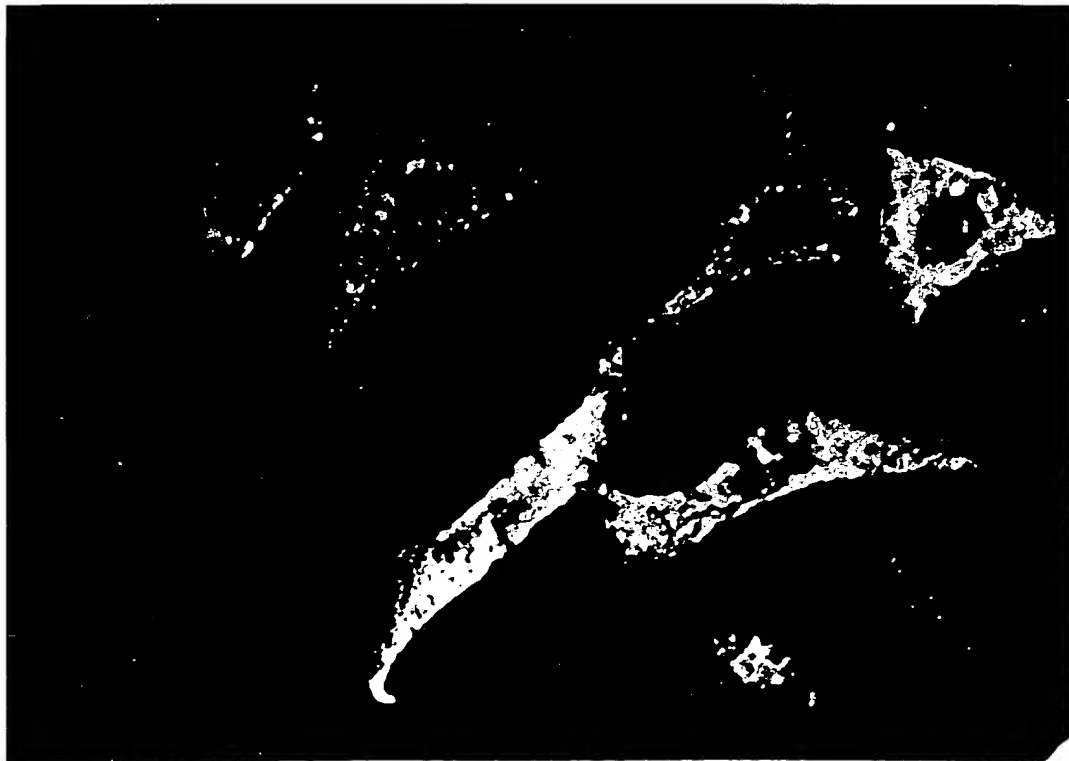




Fig. 5.

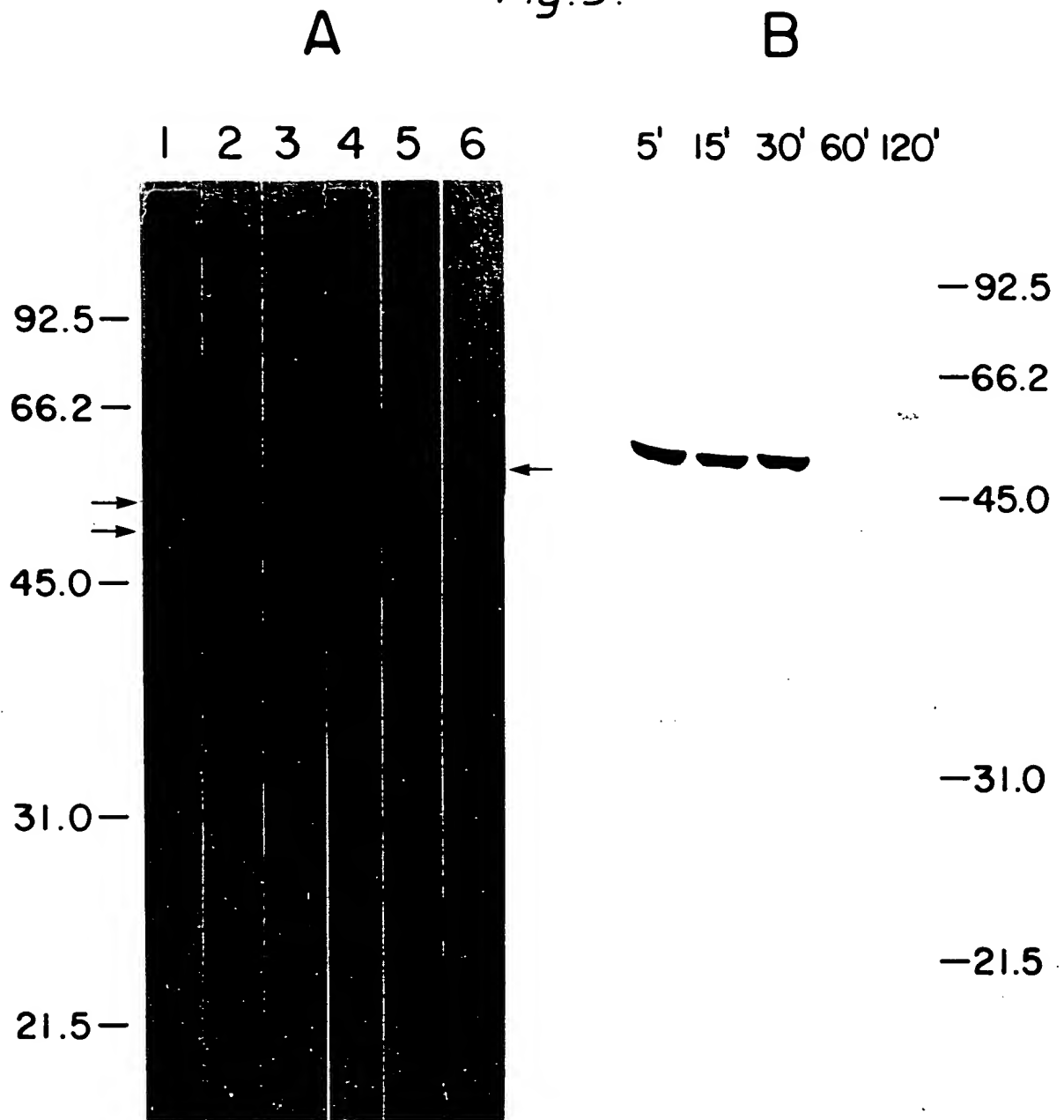


Fig. 6.

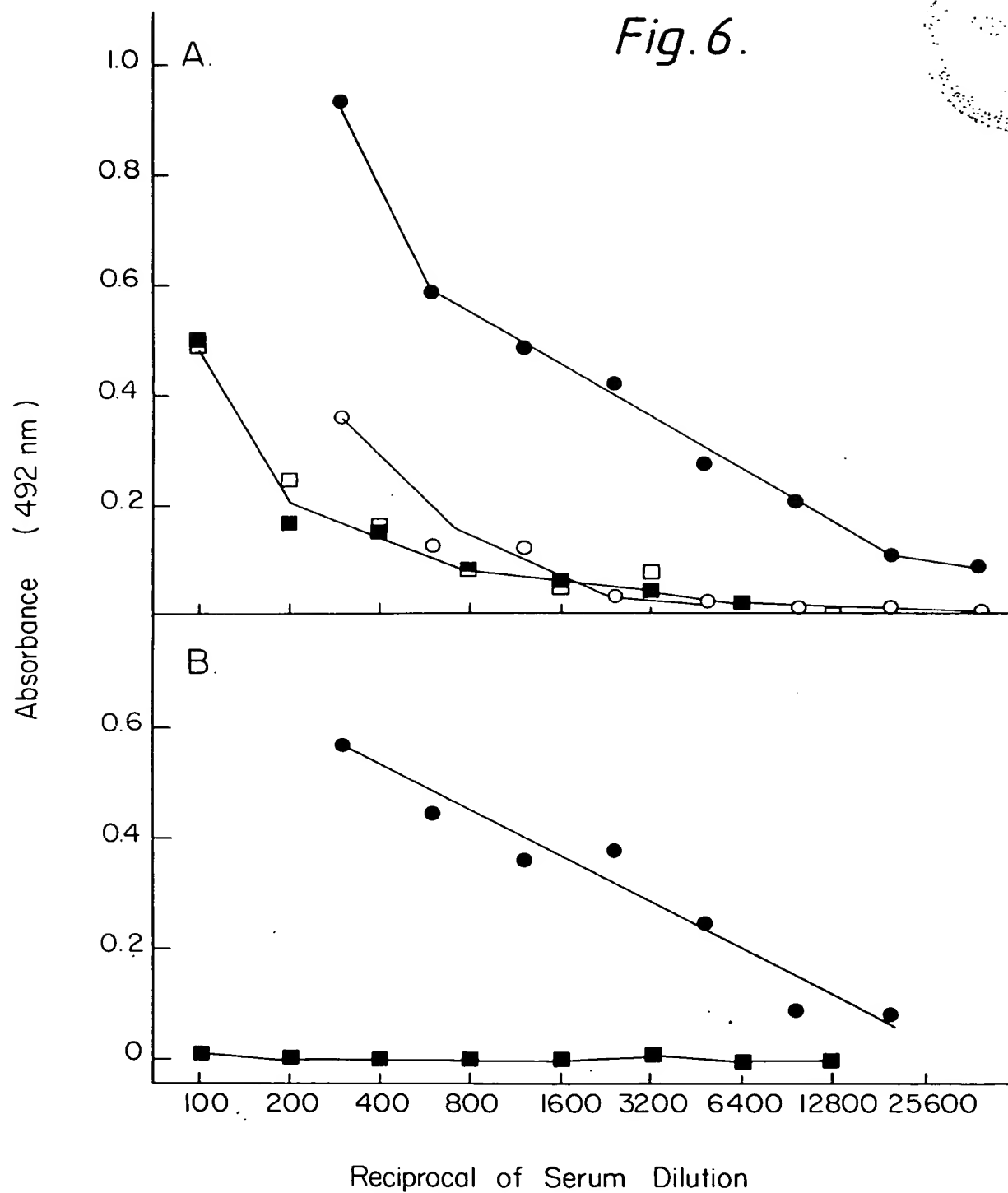
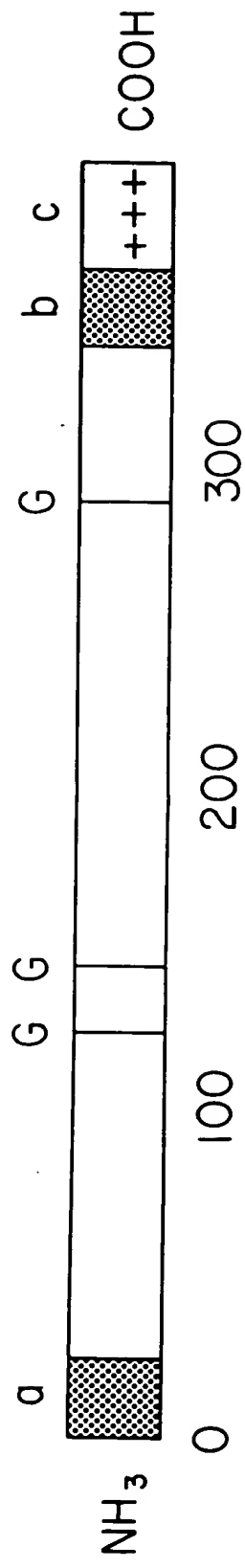


Fig. 7.



Amino Acid Number

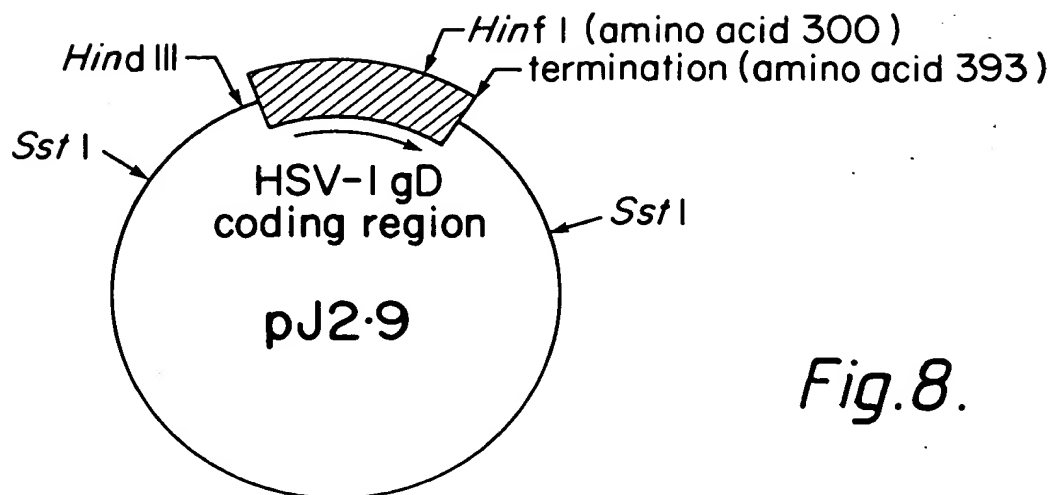
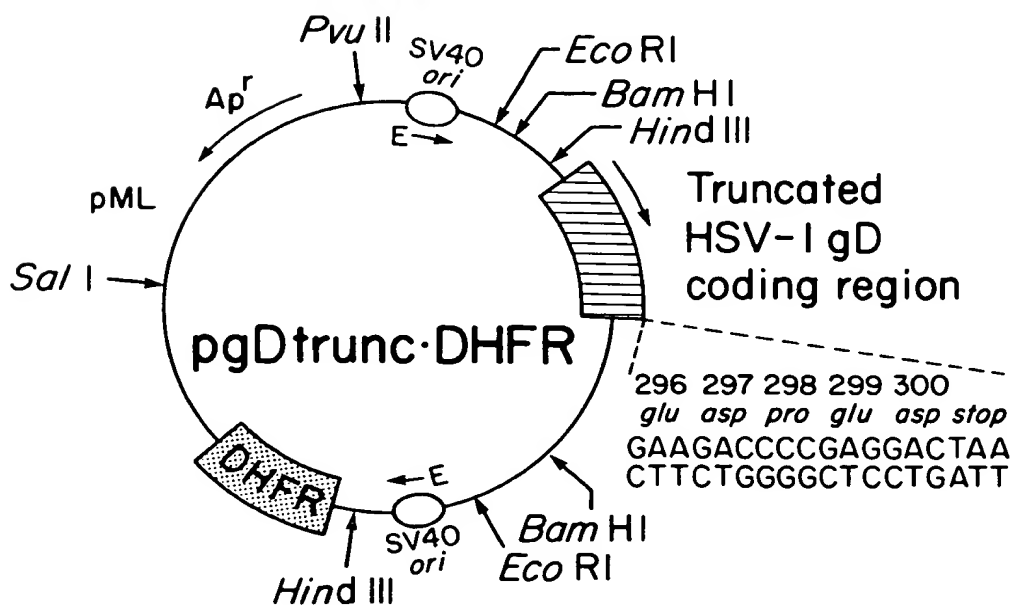


Fig.8.

1. Digest with *Hinf* I
2. Fill in with Klenow DNA polymerase and 4dXTPs
3. Digest with *Hind* III
4. Isolate 970bp truncated gD gene
5. Ligate to *Hind* III - *Hpa* I cleaved DHFR vector



*Fig. 9.*

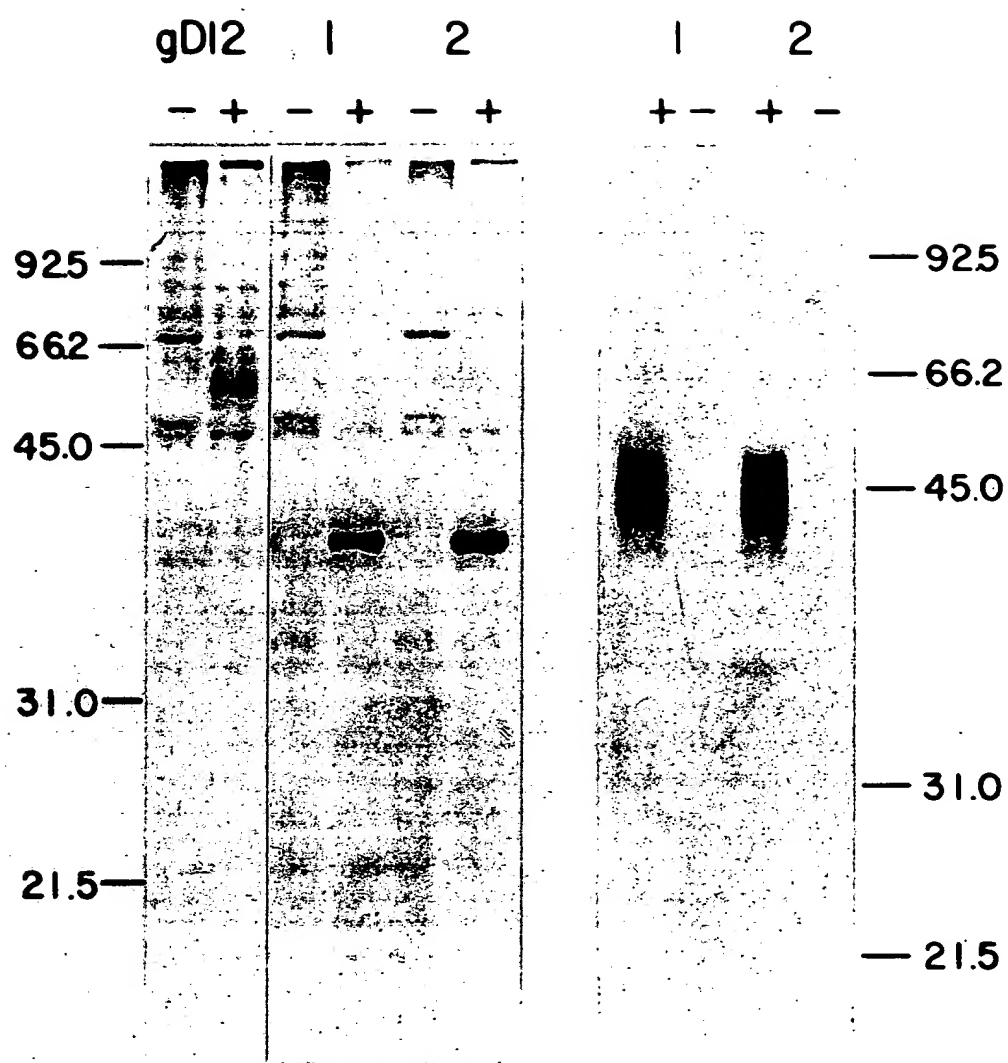


Fig.10.

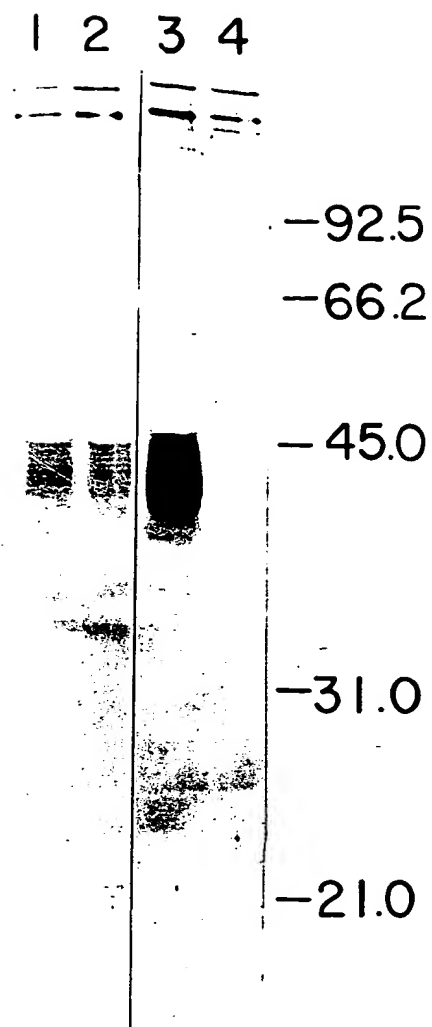


Fig. 11.

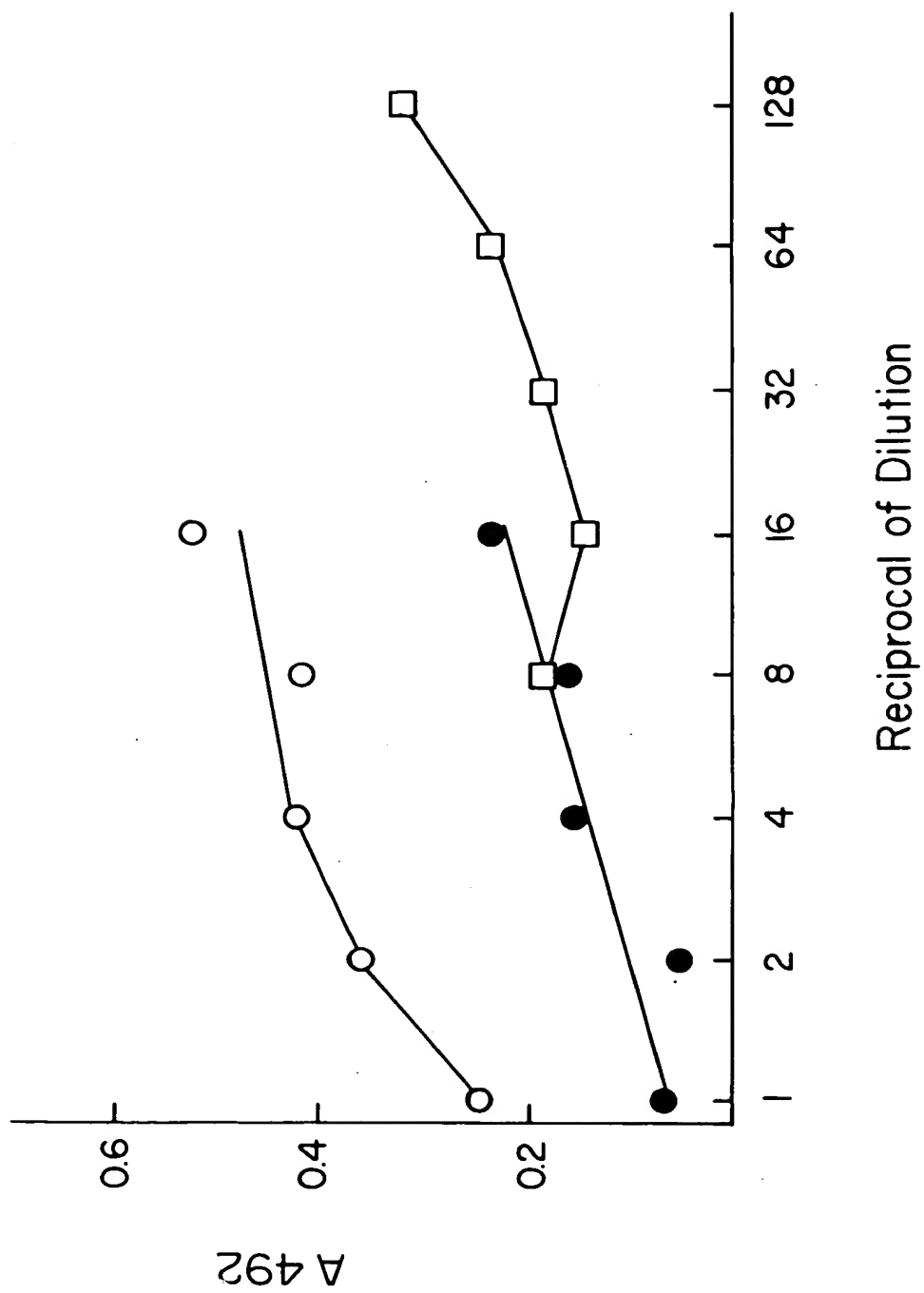






Fig. 13(Part 1)

HSV-1	* * * *	* * *	* * *	* * *	* * *	* * *	60
HSV-2	G-GATGGGGCCCGGGTATAAATTCGGAAAGGGGACACGGGGCTACCCCTCACTACCGAGGGC						
	GTGCCGTGGA-CGGGTATAAAGGCCAGGGGGCAGGGGGC--CCATCACTGTT-AGGGT						
	"TATA 1"					-----> HSV-1 gc	
						mRNA 5' end	
HSV-1	* * *	**	**	*	*	*	120
HSV-2	GCTTGGTCGGGAGGCCGCATCGAACGC-ACACCCCCATCCGGTGG---TC--CGTGTGGA						
	GTTAGGTTGGAGGTGGCACAAAGCGACACACCCGTTGTGTAGTTGTCCGCGGGAGGC						
HSV-1	* * *	*****	**	*	**	**	180
HSV-2	GGTCGTTTTTCAGTGCCCGGTC-TCGCTTTGCGGGGAACGCTAGCCGATCCCTCGCAAGG						
	GGTGGTTTCCGGCAACCC--TCCTCGCTGCGCGGGCGGCCACCGGTCTTCGCGGGG						
HSV-1	***	*****	*	*	**	*	240
HSV-2	GGGAGGCG---TCGGG-CATGGCCCCCTGGGCGGGTGGGCCCTTGCCGTGGTCTGTGGGGC						
	GCCGGGGCTCTTCTGCTCATGGCCCTTGGACGGGTGGGCCCTAACCGTGGGCTGTGGGGC						
	HSV-1 gc, HSV-2 gf initiation codons						
HSV-1	*	*	*	*	*	*	300
HSV-2	CTGTTGTGGCTCGGGGCGGGGGTGCGCGGGGCTCGGAAACTGCCTCCACCGGGCCACG						
	CTGCTGTGGGTGGGTGTGCTGTGCTGGCCAAT-----GCCTCCCCGGACGCACG						
HSV-1	*	*	*	*	*	*	360
HSV-2	ATCACCGCGGGAGCGGTGACGAACGCGAGCGAGGCCCCACATCGGGGTCCCCCGGGTCA						
	ATAACGGTGGGCCCGCGGGGAACGCGAGCAATGCCGCCCTCG-----						

[illegible]

Fig.13(Part 3)

HSV-1	AGCGCCCCAACCTGACGGACCCACAGTGCTCTGGGCGGAGGGGCCGGCCCGGGCGCC	840
HSV-2	AGCGCCCCCAACCGAACCGACCCGACGCTGATCTGGGCGGAGGGGCCGGCCCGGGCGCC	
HSV-1	** *	
HSV-2	GACCTCCGTTGTATTCTGTACCGGGCCGCTGCCGACCCAGCGGCTGATTATCGGCGAG	900
	AGCCGCGGCTGTACTCGGTCGTCGGGCCGCTGGGTCGGCAGCGGCTCATCATCGAAGAG	
HSV-1	* *	
HSV-2	GTACGCCCCGCGACCCAGGGAATGTATTACTTGGCCTGGGGCCGGATGGACAGCCCGCAC	960
	CTGACCTTGGAGACCCAGGGCATGTACTACTGGGTGTGGGGCCGGACGGACCCCGTCC	
HSV-1	* *	
HSV-2	GAGTACGGGACGTGGGTGCGCGTCCGCGATGTTCCGCCCCCGTCTCTGACCCCTCCAGCCC	1020
	GCGTACGGGACCTGGGTGCGCGTTCGCGTGTTCGCCCTCCGTGCTGACCATCCACCCC	
HSV-1	* *	
HSV-2	CACGCGGTGATGGAGGGTCAGCCGTTCAAGGCGACGTGCACGGCCGCCCTACTACCCG	1080
	CACGCGGTGCTGGAGGGGCCAGCCGTTTAAGGCGACGTGCACGGCCGCCACCTACTACCCG	
HSV-1	* *	
HSV-2	CGTAACCCCGTGGAGTTTGACTGGTTCGAGGACGACCGCCAGGTGTTTAACCCCGGGCCAG	1140
	GGCAACCGCGGAGTTCGTCTGGTTCGAGGACGTCGCCGGGTATTCGATCCGGCCCCAG	
HSV-1	** *	
HSV-2	ATCGACACGCAGACGCACGAGCACCCCGACGGGTTACCCACAGTCTCTACCGTGACCTCC	1200
	ATACACACGCAGACGCAGGAGAACCCCGACGGCTTTCCACCGTCTCCACCGTGACCTCC	
HSV-1	* *	
HSV-2	GAGGCTGTGGGCGCCAGGTCCCCCGGGACCTTACACCTGCCAGATGACGTGGCATCGC	1260
	GCGGCCGTGCGGCGCCAGGGCCCCCCCCGGGCACCTTACACCTGCCAGCTGACGTGGCACCCG	

HSV-1 HSV-2	1320
GACTCCGTGACGTTCTCGCGACGCAATGCCACCGGGCTGGCCCTGGTGCTGCCGCGGCCA	
GACTCCGTGTCGTTCTCTCGGCGCAACGCCAGCGGCACGGCATCGGTGCTGCCGCGGCCA	
HSV-1 HSV-2	1380
ACCATCACCATGGAATTTGGGGTCCGGGATGTGGTCTGCACGGCCGGCTGCGTCCCCGAG	
ACCATTACCATGGAGTTTACGGGCGACCATGCGGTCTGCACGGCCGGCTGTGTGCCCGAG	
HSV-1 HSV-2	1440
GGCGTGACGTTTGCCTGGTTCTCGGGGACGACCCCTCACCGGCGGCTAAGTCGGCCGTT	
GGGGTGACGTTTGCCTGGTTCTCGGGGACGACTCCTCGCCGGCGGAGAAAGGTGGCCGTC	
HSV-1 HSV-2	1500
ACGGCCCCAGGAGTCGTGCGACCAACCCCGGGCTGGCTACGGTCCGGTCCACCCTGCCCAT	
GCCTCCAGACATCGTGCGGGCGCCCGGACCGCCACGATCCGCTCCACCCTGCCCGTC	
HSV-1 HSV-2	1560
TCGTACGACTACAGCGAGTACATCTGCTGGTTGACCGGATATCCGGCCGGGATTCCCGTT	
TCGTACGAGCAGACCGAGTACATCTGCCGGCTGGCGGGATACCCGGACGGAAATCCGGTC	
HSV-1 HSV-2	1620
CTAGAGCACCAACCGGCAGTCACCAAGCCCCACCCAGGGACCCACCGAGCGGAGGTGATC	
CTAGAGCACCAACCGGCAGCCACCAAGCCCCCGCGGGACCCACCGAGCGGAGGTGATC	
HSV-1 HSV-2	1680
GAGGCGATCGAGTGGGTGGGATTGGAATCGGGGTCTCGCGGGCGGGGGTCTCTGGTCGTA	
CGGGCGGTGGAGGGGGCGGGATCGGAGTGGCTGCTCTTGTGCGGGTGGTTCTGGCCGGG	

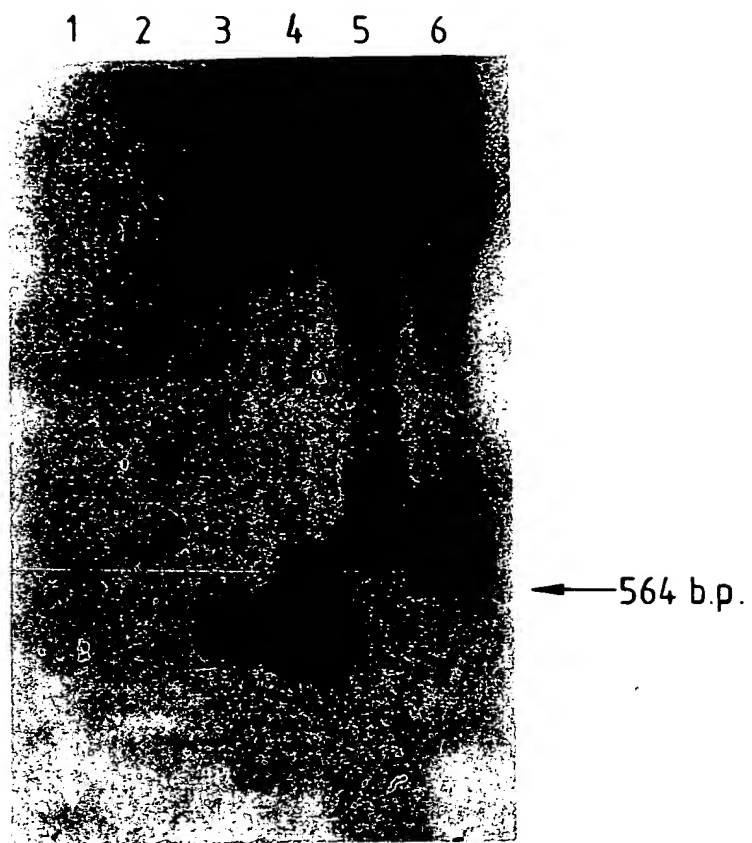
# Fig.13(Part 5)

HSV-1	* * * *	* * * *	* * * *	* * *	* * *	* * *	1740
HSV-2	ACGGCAATCGTGTACGTCGTCGACATCACAGTCGCGCAGCGTCATCGGCGGTAACGC						
	ACCGGGTAGTGTAACCTACCCACGCTCCTCGGTGCGCTATCGTCGGCTGCGGTAACTC						
						HSV-1 gC, HSV-2 gF	
						termination codons	
HSV-1	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	1800
HSV-2	GAGACCCCCCGTTACCTTTTTTAATATCTATATAGTTTGGTCCCCCCTT---CTATCCCG						
	CGGGGCCGGGCCCGCGCGGT-TGTCCTCTTT-TCCACCCCTTCCGTCCCCCGTACCC						
HSV-1	* * * *	* * * *	* * * *	* * * *	* * * *	* * *	1860
HSV-2	CC-----CACCCTGGGCGCTATAAGCC-GCCACCCCTCTC						
	ACCACACCCACCCACCCCGCGCTCCCGGCGTTATAAGC--CGCCGCACTCGC					"TATA 2"	
HSV-1	* * * *	* * * *	* * * *	* * * *	* * * *	* * *	1920
HSV-2	TTCCCTCAGGTC---ATCCTTGGTC-GATCCCGAACGACGACGCGTGGAG---CAAAA						
	TTTTCCACCGGAAATCCTCGGCCCGATCC-GAACGGCGCACGCGCGTGGGCTCCAAA						
HSV-1	****	***	****	***	***	***	1980
HSV-2	CGCCTCCCGCTGAGCC-GCTTTCCTACCAACACACCGGCGATGCC---T-CT--G-----						
	CGCCTCCGGAGAGAGCGCCCGCCCGCGAT-ATTCAAGCCCGCGGTGGTGCTATGGCTTT						
						HSV-2 second open reading	
						frame initiation codon	
HSV-1	* * *	* * *	* * *	* * *	* * *	* * *	2040
HSV-2	-CGGGCATCGGAACAGCC-TACCGGCCCTCGGGCCCGGGACACCCCGGCGGCTCG						
	CCGTGCTTCGGGACCGGCTACCGACCCCTCGCCCCCGGCGGCTCG						
						730 bp HSV-1 mRNA	
						initiation codon	

Fig. 13 (Part 6)

HSV-1	** * *	* * *	* * *	** *	*	** *	*	***	*	*	*	*	*	*	2100
HSV-2	GCTCCCGCGCGGCTGGGTTGGCGTCGGGACCATCATCGGGGGAGTTGTGATCATTGC	TGTTCCGGCGGTGGCCTGGATCGGCTCGGAGCGATCGTCGGGGCCTTTGCGCTCGTCGC													
HSV-1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2160
HSV-2	CGCGTTGGTCCCTCGTGCCCTCGCGGGGCCCTCGTGGGCACCTTCCCCCATGCGACAGCGGATG	CGCGTTGGTTCCTCGTACCCCTCGGTCCCTCGTGGGACTCTGCCCGTGCGACAGCGGCTG													
HSV-1	*	*	***	*	*	*	*	*	*	*	*	*	*	*	2220
HSV-2	GCACGAGTTCAACCTCGGGTGCAATATCCTGGGATCCGACCCCATGGAGCACGAGCAGGC	GCAGGAATTCACGCGGGATGCGTGGGACCCACCCCGTCGAGCACGAGCAGGC													
HSV-1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2280
HSV-2	GGTCGGCGGCTGTAGCGCCCCGGGACCCCTGATCCCCCGCGCGGCTGCCAAACAGCTGGC	GGTCGGCGGCTGCAGCGCGCGGCCACCCCTTATCCCCCGTGCGGCGCCCAAGCACCTGGC													
HSV-1	** **	*	*	*	*	*	*	*	*	*	*	*	*	*	2340
HSV-2	CGCCGTCGCACGCGTCCAGTCGGCAAGATCCTCGGGCTACTGGTGGGTGAGCGGAGACGG	CGCTCTGACACGCGTCCAGCGGAGAGATCGTCGGGTTACTGGTGGGTGACGGAGACGG													
HSV-1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2400
HSV-2	CATTCGGGCGCCCTGCGGCTCGTCGACGGCGTTGGCGGTATTGACCAGTTTTGCGGAGGA	CATCCGGACCTGTCTGAGACTCGTCGACAGCGTCAGTGGCATCGACGAGTTTTGCGGAGGA													
HSV-1	*														2460
HSV-2	GCCCGCCCTTCGCATATGCTACTATCCCCGCAGTCCCGGGGCTTTGTTTCAGTTTGTAAAC	GCTC													
HSV-1	TTCGACCCGCAACGCGCTGGGGCTGCCGTGA														2491

*Fig.14.*



21



Fig. 15(Part 2)

HSV-1 gC	250	MDS	PHE	YGT	WVR	VMFR	PPSL	TLQ	PHAV	MEG	QPF	KAT	C	T	A	A	A	Y	P	R	N	P	V
HSV-2 gF	217	TDR	PSA	YGT	WVR	VRVF	RP	PSLT	IHP	HAV	LEG	QPF	KAT	C	T	A	A	T	Y	P	G	N	R
HSV-1 gC	300	FDW	FED	DRQ	VFN	PN	Q	ID	TQ	THE	HPD	GFT	TV	ST	V	T	S	E	A	V	G	G	Q
HSV-2 gF	267	FVW	FED	GRR	VFD	PA	Q	IHT	Q	TEN	PDG	FST	V	T	S	A	A	V	G	G	Q	P	P
HSV-1 gC	350	MTW	RDS	SVT	FS	R	R	N	A	T	G	L	A	L	V	L	P	R	P	T	I	T	M
HSV-2 gF	317	LTW	RDS	SVS	F	S	R	R	N	A	T	G	L	A	L	V	L	P	R	P	T	I	T
HSV-1 gC	400	WFL	GDD	P	S	P	A	A	K	S	A	V	T	A	Q	E	S	C	D	H	P	G	L
HSV-2 gF	367	WFL	GDD	S	S	P	A	E	K	V	A	V	A	S	Q	T	S	C	G	R	P	G	T
HSV-1 gC	450	AGI	PV	L	E	H	G	S	H	Q	P	P	P	R	D	P	T	E	R	Q	V	I	E
HSV-2 gF	417	DGI	PV	L	E	H	G	S	H	Q	P	P	P	R	D	P	T	E	R	Q	V	I	E
HSV-1 gC	500	VVR	T	S	Q	S	R	Q	R	H	R												
HSV-2 gF	467	LTH	AS	S	V	R	Y	R	R	L	R												

Fig. 15 (Part 3)

[illegible]

Fig. 16.

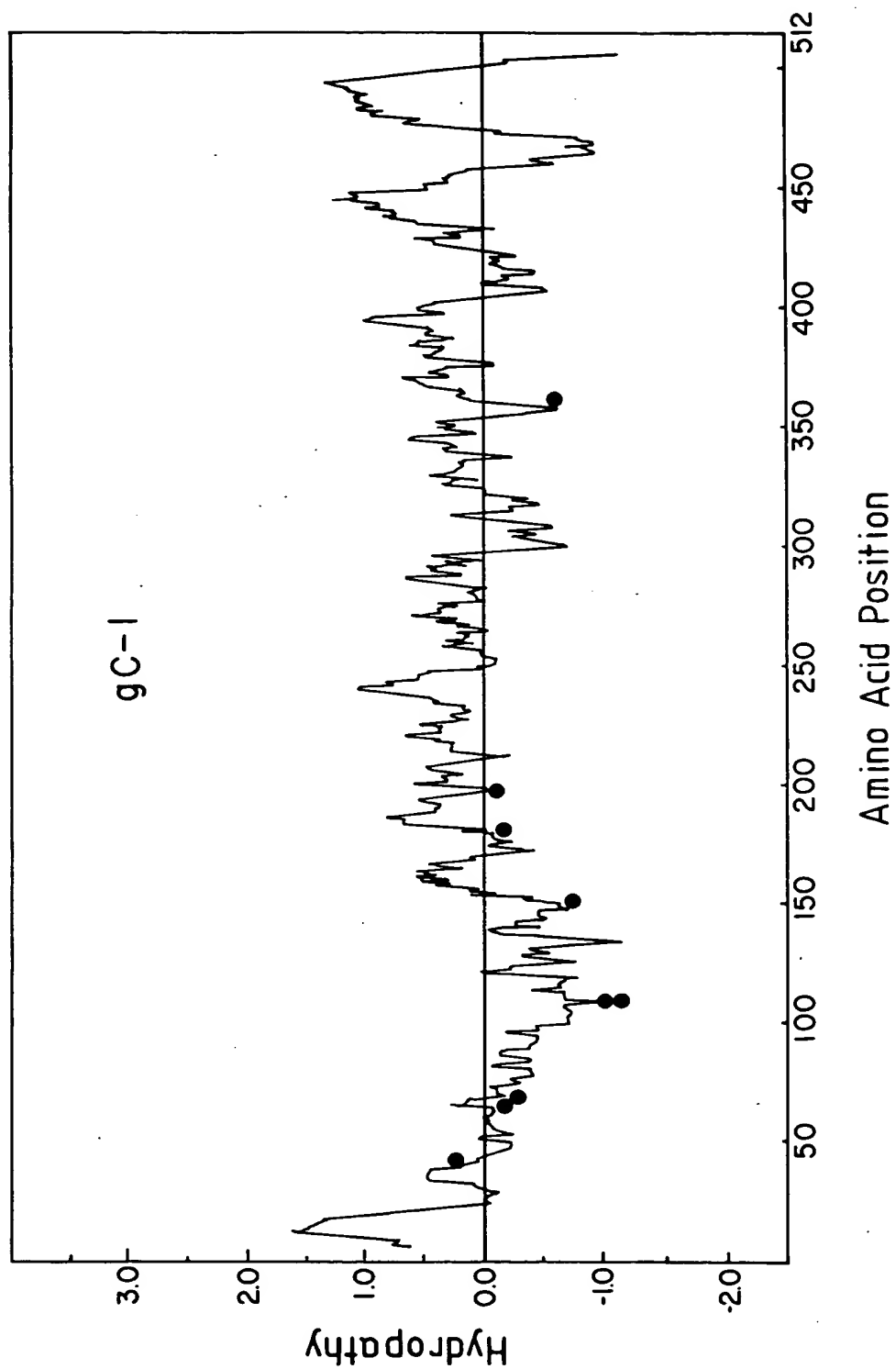


Fig. 16(Cont.)

